

Advanced Excel Formulas & Functions

Term	Definition
AND Function	A logical function that returns TRUE only if all conditions are met.
CHOOSE Function	Returns a value from a list of values based on a given position index.
Data Table	A tool used for sensitivity analysis in Excel, allowing simultaneous changes in two variables.
Dynamic Chart	A chart that automatically updates when data range or number of periods change, using OFFSET and COUNT functions.
Goal Seek	A What-If Analysis tool that finds the input needed to achieve a specific goal or output.
IFERROR Function	Returns a specified value if a formula returns an error; otherwise, returns the formula result.
INDEX MATCH MATCH	A combination of functions used to retrieve data dynamically based on row and column lookup.
INDIRECT Function	Converts a text string into a cell reference, allowing for dynamic formula referencing.
MATCH Function	Returns the relative position of an item in an array that matches a specified value.
Macro	A recorded sequence of Excel actions that automates repetitive tasks and formatting.
Name Manager	A feature in Excel that allows users to define and manage named ranges for formulas and charts.

OFFSET Function	Returns a cell or range that is a specified number of rows and columns from a starting cell.
Pivot Table	An Excel feature used to summarize, analyze, and explore large sets of data using a drag-and-drop interface.
Scenario Analysis	A process that evaluates possible future events by considering alternative outcomes (base, upside, downside cases).
Slicer	A visual filtering tool for Pivot Tables that allows users to select and deselect items easily.
Table of Contents (TOC)	A navigable summary of worksheet names using dynamic formulas like RIGHT, FIND, LEN, and CELL.
Timeline	An interactive control used with Pivot Tables for filtering data across a time-based axis.
VLOOKUP Function	Searches for a value in the first column of a range and returns a value in the same row from another column.
XIRR Function	Calculates the internal rate of return for a schedule of cash flows that are not necessarily periodic.
XNPV Function	Calculates the net present value for a schedule of cash flows that are irregularly spaced over time.